

2009 BPA facts

Unless otherwise noted, information is for fiscal year 2009.

Profile

The Bonneville Power Administration is a federal nonprofit agency based in the Pacific Northwest. Although BPA is part of the U.S. Department of Energy, it is self-funding and covers its costs by selling its products and services. BPA markets wholesale electrical power from 31 federal hydro projects in the Columbia River Basin, one nonfederal nuclear plant and several other small nonfederal power plants. The dams are operated by the U.S. Army Corps of Engineers and the Bureau of Reclamation. About one-third of the electric power used in the Northwest comes from BPA.

BPA also operates and maintains about three-fourths of the high-voltage transmission in its service territory. BPA's service territory includes Idaho, Oregon, Washington, western Montana and small parts of eastern Montana, California, Nevada, Utah and Wyoming.

As part of its responsibilities, BPA promotes energy efficiency, renewable resources and new technologies. The agency also funds regional efforts to protect and rebuild fish and wildlife populations affected by hydropower development in the Columbia River Basin.

BPA is committed to providing public service and seeks to make its decisions in a manner that provides opportunities for input from all stakeholders. In its vision statement, BPA dedicates itself to providing high system reliability, low rates consistent with sound business principles, environmental stewardship and accountability.

General Information

BPA established	1937
Service area size (square miles)	300,000
Pacific Northwest population	12,434,934
Transmission line (circuit miles)	15,212
BPA substations	260
Employees (FTE)	3,100

Customers

Cooperatives	57
Municipalities	42
Public utility districts	29
Federal agencies	7
Investor-owned utilities	6
Direct-service industries	3
Port districts	1
Tribal utilities	2
Total	147
Marketers	168 ^{1/}
Transmission customers	385

^{1/} This number now includes both power and transmission marketers. Previous editions of BPA Facts only listed the number of power marketers.

BPA Mission

The Bonneville Power Administration's mission as a public service organization is to create and deliver the best value for our customers and constituents as we act in concert with others to assure the Pacific Northwest:

- an adequate, efficient, economical and reliable power supply;
- a transmission system that is adequate to the task of integrating and transmitting power from federal and nonfederal generating units, providing service to BPA's customers, providing interregional interconnections, and maintaining electrical reliability and stability; and
- mitigation of the Federal Columbia River Power System's impacts on fish and wildlife.

BPA is committed to cost-based rates and public and regional preference in its marketing of power. BPA will set its rates as low as possible consistent with sound business principles and the full recovery of all of its costs, including timely repayment of the federal investment in the system.

BPA Vision

BPA will be an engine of the Northwest's economic prosperity and environmental sustainability. BPA's actions advance a Northwest power system that is a national leader in providing:

- high reliability;
- low rates consistent with sound business principles;
- responsible environmental stewardship; and
- accountability to the region.

We deliver on these public responsibilities^{1/} through a commercially successful business.

^{1/} Our public responsibilities are defined by the four characteristics listed above.

Rates

Wholesale power rates^{2/} (10/1/09-9/30/10)

Non-Slice Priority Firm (average, ^{3/} undelivered)	2.88 cents/kWh
Priority Firm Exchange (average, undelivered)	4.87 cents/kWh
New Resources (flat, undelivered)	6.87 cents/kWh

^{2/} The rates shown do not include the cost of transmission. They also do not include the application of the Conservation Rate Credit.

^{3/} The actual rate paid by an individual customer will vary according to the shape of the load and the products and services purchased.

Transmission rates^{4/} (FYs 2010-2011)

Network rates:

Firm	\$15.576/kW/yr
Nonfirm	.374 cents/kWh

Southern intertie rates:

Firm	\$15.516/kW/yr
Nonfirm	.372 cents/kWh

^{4/} Reflects the rates for point-to-point transmission service. All short-term firm and nonfirm rates are downwardly flexible.

2009 Financial Highlights

For the Federal Columbia River Power System
(\$ in thousands)

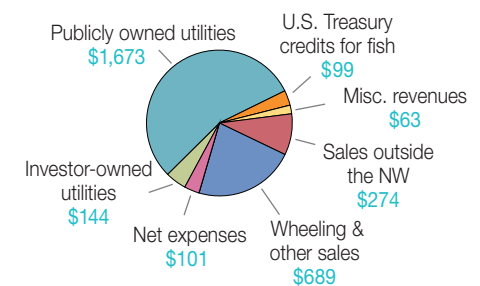
Total operating revenues ^{5/}	\$2,870,284
Total operating expenses	2,752,905
Net operating revenues	117,379
Net interest expense	218,429
Net expenses	(101,050)
Derivative instruments	\$ 34,677
Nonfederal debt management actions	(120,853)
Modified net expenses ^{6/}	\$(187,226)

^{5/} Includes both power and transmission revenues.

^{6/} Management has determined that modified net revenues (expenses) are a better representation of the outcomes of normal operations during periods of debt management actions and fluctuations in derivative market prices. See BPA's 2009 Annual Report for more information.

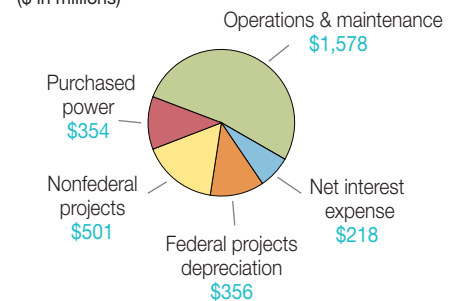
Sources of revenue^{7/ 8/}

(\$ in millions)



Disposition of revenue^{6/}

(\$ in millions)



^{7/} Does not reflect bookouts of -\$37 million.

^{8/} Does not reflect derivative instruments of -\$35 million.

Transmission System

Operating voltage

Circuit miles

1,000 kV	264 ^{9/}
500 kV	4,734
345 kV	570
287 kV	227
230 kV	5,319
161 kV	119
138 kV	50
115 kV	3,556
below 115 kV	373
Total	15,212

^{9/} BPA's portion of the PNW/PSW direct-current intertie. The total length of this line from The Dalles, Ore., to Los Angeles is 846 miles.



Federal Hydro Projects

Name	River, state	In service	Nameplate rating
Albeni Falls	Pend Oreille, ID	1955	43 MW
<i>Anderson Ranch</i>	<i>Boise, ID</i>	<i>1950</i>	<i>40 MW</i>
Big Cliff	Santiam, OR	1953	18 MW
<i>Black Canyon</i>	<i>Payette, ID</i>	<i>1925</i>	<i>10 MW</i>
<i>Boise River Diversion</i>	<i>Boise, ID</i>	<i>1912</i>	<i>3 MW</i>
Bonneville	Columbia, OR/WA	1938	1,077 MW
<i>Chandler</i>	<i>Yakima, WA</i>	<i>1956</i>	<i>12 MW</i>
Chief Joseph	Columbia, WA	1958	2,458 MW
Cougar	McKenzie, OR	1963	25 MW
Detroit	Santiam, OR	1953	100 MW
Dexter	Willamette, OR	1954	15 MW
Dworshak	Clearwater, ID	1973	400 MW
Foster	Santiam, OR	1967	20 MW
<i>Grand Coulee^{10/}</i>	<i>Columbia, WA</i>	<i>1942</i>	<i>6,765 MW</i>
Green Peter	Santiam, OR	1967	80 MW
<i>Green Springs</i>	<i>Emigrant Crk, OR</i>	<i>1960</i>	<i>16 MW</i>
Hills Creek	Willamette, OR	1962	30 MW
<i>Hungry Horse</i>	<i>Flathead, MT</i>	<i>1953</i>	<i>428 MW</i>
Ice Harbor	Snake, WA	1962	603 MW
John Day	Columbia, OR/WA	1971	2,160 MW
Libby	Kootenai, MT	1975	525 MW
Little Goose	Snake, WA	1970	810 MW
Lookout Point	Willamette, OR	1953	120 MW
Lost Creek	Rogue, OR	1977	49 MW
Lower Granite	Snake, WA	1975	810 MW
Lower Monumental	Snake, WA	1969	810 MW
McNary	Columbia, OR/WA	1952	980 MW
<i>Minidoka</i>	<i>Snake, ID</i>	<i>1909</i>	<i>28 MW</i>
<i>Palisades</i>	<i>Snake, ID</i>	<i>1958</i>	<i>176 MW</i>
<i>Roza</i>	<i>Yakima, WA</i>	<i>1958</i>	<i>11 MW</i>
The Dalles	Columbia, OR/WA	1957	<u>1,808 MW</u>
Total (31 dams)			20,430 MW

Owned and operated by the U.S. Army Corps of Engineers (21 dams, 12,940 MW)
Owned and operated by the Bureau of Reclamation (10 dams, 7,490 MW).

10/ Includes pump generation.

BPA Resources^{11/}

(for OY 2010 under 1937 water conditions)

Sustained 1-hour peak capacity (January) 18,326 MW

Hydro: 16,332 MW (89.1%)

Nuclear: 1,150 MW (6.3%)

Firm contracts & other resources: 844 MW (4.6%)

Firm energy (12-month annual avg.) 8,862 aMW

Hydro: 6,983 aMW (78.8%)

Nuclear: 1,030 aMW (11.6%)

Firm contracts & other resources: 849 aMW (9.6%)

Regional Resources^{11/}

(for OY 2010 under 1937 water conditions)

Sustained peak capacity (January) 45,603 MW

Hydro: 27,142 MW (59.5%)

Coal: 5,866 MW (12.9%)

Combustion turbines: 5,526 MW (12.1%)

Cogeneration: 2,938 MW (6.4%)

Imports: 2,094 MW (4.6%)

Nuclear: 1,150 MW (2.5%)

Non-utility generation: 630 MW (1.4%)

Other miscellaneous resources: 258 MW (0.6%)

Firm energy (12-month annual avg.) 26,033 aMW

Hydro: 11,842 aMW (45.5%)

Coal: 4,951 aMW (19.0%)

Combustion turbines: 2,824 aMW (10.8%)

Cogeneration: 2,530 aMW (9.7%)

Imports: 1,239 aMW (4.8%)

Nuclear: 1,030 aMW (4.0%)

Non-utility generation: 626 aMW (2.4%)

Other miscellaneous resources: 991 aMW (3.8%)

11/ Forecast figures from BPA's draft "2009 Pacific Northwest Loads & Resources Study." Firm resource projections before adjustment for reserves, maintenance and transmission losses. The hydro capacity is reduced by an operational peaking adjustment to estimate the monthly maximum operational capability that is available to meet the 1-hour peak load for 1937 critical-water conditions. For January 2010, the reduction is -4,626 peak MW.

Federal Generation (FY 2009)

Hydro generation 7,588 aMW
 Total generation 8,406 aMW
 60-min. hydro peak generation 15,256 MW
 60-min. total peak generation 15,914 MW
 All-time 60-min. total peak
 generation record (June 2002) 18,139 MW

Fish & Wildlife Costs

(\$ in millions)

FY 2009

BPA F&W program expense^{12/}
 (does not include \$25.5 million capital) \$178
 Direct funded/reimbursable 64
 Capital investment/fixed expense. 120
 Total direct costs. \$362
 Operational impacts:
 Replacement power purchases. \$240
 Estimated foregone power revenues 143
 Total F&W costs for FY 2009 \$745

BPA has committed more than \$11 billion since 1978 to support Northwest fish and wildlife recovery.

12/ Integrated program and action plan/high priority.

Conservation

(\$ in millions)

FY 2009

Total^{13/}

Total BPA expenses \$72 \$2,366

Megawatts saved

Residential programs	20.2 aMW	304.2 aMW
Commercial programs	20.3 aMW	222.2 aMW
Industrial programs	7.6 aMW	132.9 aMW
Agricultural programs	2.1 aMW	23.7 aMW
Multi-sector programs	<u>1.0 aMW</u>	<u>108.9 aMW</u>
Programs subtotal	51.1 aMW	792.0 aMW
Improved building codes	0 aMW	188.5 aMW
Market transformation	<u>12.6 aMW</u>	<u>155.6 aMW</u>
Total aMW saved	63.7 aMW	1,136.1 aMW

13/ Cumulative total since 1981. Adjustments to savings and dollars have been applied.

Points of Contact

General BPA offices & Web sites

BPA Headquarters — 905 N.E. 11th Ave., P.O. Box 3621, Portland, OR 97208 • 503-230-3000 • www.bpa.gov

Public Information Center — 905 N.E. 11th Ave., P.O. Box 3621, Portland, OR 97208 • 503-230-INFO [4636] • 800-622-4520

Community Engagement — P.O. Box 14428, Portland, OR 97293-4428 • 800-622-4519

Washington, D.C. Office — Forrestal Bldg., Room 8G-061, 1000 Independence Ave., S.W., Washington, DC 20585 • 202-586-5640

Crime Witness Program — To report crimes to BPA property or personnel • 800-437-2744

Transmission Services

Transmission Services Headquarters — P.O. Box 491, Vancouver, WA 98666-0491 • 360-418-2000

Covington District Office — 28401 Covington Way S.E., Kent, WA 98402 • 253-638-7376

Eugene District Office — 86000 Hwy. 99 S., Eugene, OR 97405 • 541-988-7401

Idaho Falls Regional Office — 1350 Lindsay Blvd., Idaho Falls, ID 83402 • 208-612-3110

Kalispell District Office — 2520 U.S. Hwy. 2 East, Kalispell, MT 59901 • 406-751-7897

Longview District Office — 3750 Memorial Park Drive, Longview, WA 98632 • 360-414-5601

Olympia Regional Office — 5240 Trosper Rd. S.W., Olympia, WA 98512-5623 • 360-570-4301

Redmond District Office — 3655 S.W. Highland Ave., Redmond, OR 97756 • 541-548-4015, Ext. 3225

Salem District Office — 2715 Tepper Lane N.E., Keizer, OR 97303 • 503-393-2638

Snohomish District Office — 914 Ave. D, Snohomish, WA 98290 • 360-563-3602

Spokane District Office — 2410 E. Hawthorne Rd., Mead, WA 99201 • 509-358-7379

The Dalles District Office — 3920 Columbia View Dr. East, The Dalles, OR 97058 • 541-296-4694

Tri-Cities District Office — 3404 Swallow Ave., Pasco, WA 99301 • 509-542-5430

Wenatchee District Office — 13294 Lincoln Park Rd., East Wenatchee, WA 98802 • 509-886-6001

Power Services

Bend Customer Service Center — 1011 S.W. Emkay Dr., Suite 211, Bend, OR 97702 • 541-318-1680

Burley Customer Service Center — 2700 Overland, Burley, ID 83318 • 208-678-9481

Eastern Area Customer Service Center — 707 W. Main Ave., Suite 500, Spokane, WA 99201 • 509-625-1371

Montana Customer Service Center — P.O. Box 140, Dayton, MT 59914 • 406-849-5034

Richland Customer Service Center — Kootenai Bldg., Room 215, North Power Plant Loop, P.O. Box 968, Richland, WA 99352 • 509-372-5088

Seattle Customer Service Center — 909 First Ave., Suite 380, Seattle, WA 98104-3636 • 206-220-6770

Western Area CSC — 905 N.E. 11th Ave., P.O. Box 3621, Portland, OR 97208 • 503-230-5204

Transmission System and Federal Dams



DOE/BP-4223 • November 2010